



SHEET 1 OF 7

## INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)

ATTY DOCKET NO.

60365F

SERIAL NO.

10/811,535

APPLICANT

Marlin E. Walters, et al.

FILING DATE

March 29, 2004

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1713

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
MR	3,058,944	10/1962	Breslow, et al.			
	3,203,936	8/1965	Breslow, et al.			
	3,203,937	8/1965	Breslow, et al.			
	3,282,864	11/1966	Bost, et al.			
	3,298,975	1/1967	Feild, et al.			
	3,336,268	8/1967	Cox			
	3,341,480	9/1967	Feild			
	3,377,415	4/1968	Oppenlander			
	3,389,198	6/1968	Taber			
	3,530,108	9/1970	Oppenlander			
MR	3,645,992	2/1972	Elston			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
797 917	10/1968	Canadian			
1 024 296	1/1978	Canadian			
1 219 389	3/1987	Canadian			
0 474 376	3/1992	European			

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

MR	R. A. Abramovitch, "Polar Radicals in Aromatic Substitution, <u>Intra-Science Chemistry Reports</u> , pp. 211-218, 1969
/	R. A. Abramovitch et al., "Reaction of Sulphonyl Azides with Unstrained Olefins", <u>J. Chem. Soc.</u> , pp. 2169-2172, 1974
MR	R. A. Abramovitch et al., "Intramolecular Insertion of Arylsulfonylnitrenes into Aliphatic Side Chains, <u>J. Org. Chem.</u> , Vol. 42, No. 17, pp. 2920-2926, 1977.

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<i>He</i>	3,687,920	8/1972	Johnson			
	3,893,989	7/1975	Leicht, et al.			
	3,914,342	10/1975	Mitchell			
	3,959,425	5/1976	Herrington			
	4,003,712	1/1977	Miller			
	4,076,698	2/1978	Anderson, et al.			
	4,113,802	9/1978	Matteoli, et al.			
	4,200,556	4/1980	Robinson, et al.			
	4,352,892	10/1982	Lohmar			
	4,579,905	4/1986	Krabbenhoft			
<i>He</i>	4,584,347	4/1986	Harpell, et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
<i>He</i> 0 595 252	5/1994	European			
0 625 545	1/1998	European			
0 634 441	5/1998	European			
<i>He</i> 0 634 454	11/1997	European			

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

<i>He</i>	R. A. Ambramovitch et al., "Pyrolysis of Phenylalkylsulphonyl Azides and 2-phenethyl Azidofomate. Selectivity of Sulphonylnitrenes And Contrast between Sulphonyl-and Carbonyl-nitrenes, <i>J. Chem. Soc. Chem Commun.</i> , pp. 1087-1088, 1981
	R. A. Ambramovitch et al., "Reaction of Aromatic Sulfonyl Azides with Dienes", <i>J. Org. Chem.</i> , Vol. 46, pp. 330-335, 1981
<i>He</i>	H. Radusch et al., "Chemical coupling of polystyrene and polybutadiene in melt mixtures by using an organic sulfonylazide", <i>Die Angewandte Makromolekulare Chemie</i> , Vol. 204, pp. 177-189, 1993

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*Richard Lymann*

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*7-6-06*

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<i>ML</i>	4,694,025	12/1987	Park			
<i>ML</i>	4,714,716	12/1987	Park			
<i>ML</i>	4,820,471	4/1989	van der Molen			
<i>ML</i>	5,008,204	4/1991	Stehling			
<i>ML</i>	5,037,895	8/1991	Maker, et al.			
<i>ML</i>	5,272,236	12/1993	Lai, et al.			
<i>ML</i>	5,278,272	1/1994	Lai, et al.			
<i>ML</i>	5,284,613	2/1994	Ali, et al.			
<i>ML</i>	5,358,792	10/1994	Mehta, et al.			
<i>ML</i>	5,373,236	12/1994	Tsui, et al.			
<i>ML</i>	5,414,027	5/1995	DeNicola, Jr., et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
<i>ML</i> 0 702 032	3/1996	European			
<i>ML</i> 0 747 376	5/1996	European			
<i>ML</i> 1 569 025	7/1970	German			
<i>ML</i> 46-31756	9/1971	Japanese			
<i>ML</i> 1 080 619	8/1967	United Kingdom			

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

<i>ML</i>	N. Takashima et al., "The Processings of Crosslinked Plastics", <u>Kogaku Kogyo (Chemical Industry)</u> , pp. 378-383, 1969
<i>ML</i>	D. S. Breslow et al., "Thermal Reactions of Sulfonyl Azides", <u>J. Amer. Chem. Soc.</u> , Vol. 91, pp. 2273-2279, 1969
<i>ML</i>	Derwent Chemical Abstract No. 1977-02552Y of JP 51134762 A

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<i>pe</i>	5,491,019	2/1996	Kuo			
<i> </i>	5,519,785	5/1996	Hara			
<i> </i>	5,641,848	6/1997	Giacobbe, et al.			
<i> </i>	5,747,594	5/1998	deGroot, et al.			
<i> </i>	5,767,033	6/1998	Imuta, et al.			
<i> </i>	5,844,045	12/1998	Kolthammer, et al.			
<i>pe</i>	5,869,575	2/1999	Kolthammer, et al.			

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DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES   NO
<i>pe</i>	2 205 103 A	11/1988	United Kingdom		
<i> </i>	93/04486	3/1993	WO		
<i> </i>	96/07681	3/1996	WO		
<i> </i>	96/20247	7/1996	WO		
<i> </i>	97/20888	6/1997	WO		
<i> </i>	97/20889	6/1997	WO		
<i>pe</i>	99/10426	3/1999	WO		

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<i>pe</i>	M. Xanthos, "Interfacial Agents of Multiphase Polymer systems: Recent Advances", <u>Polymer Engineering and Science</u> , Vol. 28, pp. 1392-1400, 1988
<i> </i>	K. A. Chaffin et al., "Semicrystalline Blends of Polyethylene and Isotactic Polypropylene: Improving Mechanical Performance by Enhancing the Interfacial Structure", <u>Journal of Polymer Science: Part B: Polymer Physics</u> , Vol. 38, pp. 108-121, 2000
<i> </i>	E. P. Moore, <u>Polypropylene Handbook</u> , pp. 15-45, 1996
<i> </i>	E. P. Moore, <u>Polypropylene Handbook</u> , pp. 220, 1996
<i>pe</i>	E. P. Moore, <u>Polypropylene Handbook</u> , pp. 330-332, 1996

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<i>HL</i>	4,031,068	06/1977	Cantor			
	4,532,189	07/1985	Mueller			
	4,916,198	04/1990	Scheve, et al			
	5,116,881	05/1992	Park, et al			
	5,180,751	01/1993	Park, et al			
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	5,348,795	09/1994	Park, Chung P.			
	5,358,792	10/1994	Mehta, et al			
	5,527,573	06/1996	Chung, et al			
<i>HL</i>	5,567,742	10/1996	Park, Chung P.			

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	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
<i>HL</i>	0 351 208	01/1990	European				
	0 625 545	11/1994	European				
	0 634 441	01/1995	European				
	0 634 454	01/1995	European				
<i>HL</i>	0 872 517	10/1998	European				

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<i>HL</i>	United States Patent Application Serial No. 09/133,576 filed August 13, 1998 (43324A), Craig Silvis et al., "In-Situ Rheology Modification of Polyolefins".
<i>HL</i>	United States Patent Application Serial No. 10/281,409 filed October 25, 2002 (60487E), Patricia Ansems et al., "Polyolefin Composition with Improved Impact Properties".

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*Howard Lipman* 7-6-06

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<i>Me</i>	5,605,936	02/1997	DeNicola, et al			
	5,616,627	04/1997	Tadashi Sakurai, et al			
	5,767,033	06/1998	Junichi Imuta, et al			
	5,883,151	03/1999	Manfred Raetzsch, et al			
	5,929,129	07/1999	Feichtinger, Kurt			
	6,054,540	04/2000	Chaudhary, et al			
	6,143,829	11/2000	Babb, et al			
<i>Me</i>	6,143,854	11/2000	Bamberger, et al			

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						YES	NO
<i>Me</i>	50-133248	10/1975	Japanese*				X
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	97/20889	06/1997	WO				
	99/10415	03/1999	WO				
<i>Me</i>	99/10424	03/1999	WO				

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<i>Me</i>	*	* Derwent Chemical Abstract No. 1977-88691Y for JP 50-133248 *
<i>Me</i>		Hen and Shetty, "Studies on Multilayer Film Coextrusion III. The Rheology of Blown Film Coextrusion", <u>Polymer Engineering and Science</u> , Vol. 18, No. 3, pp. 187-199, 1978
		Inoue, "Selective Crosslinking in Polymer Blends. I. Novel Selective Crosslink Systems for Polypropylene/Unsaturated Elastomer Blends", <u>Journal of Applied Polymer Science</u> , Vol. 54, pp. 709-721, 1994
		Inoue, "Selective Crosslinking in Polymer Blends. II. Its Effect on Impact Strength and Other Mechanical Properties of Polypropylene/Unsaturated Elastomer Blends", <u>Journal of Applied Polymer Science</u> , Vol. 54, pp. 723-733, 1994
<i>Me</i>		Inoue and Suzuki, "Selective Crosslinking Reaction in Polymer Blends. III. The Effects of the Crosslinking of Dispersed EPDM Particles on the Impact Behavior of PP/EPDM Blends", <u>Journal of Applied Polymer Science</u> , Vol. 56, pp. 1113-1125, 1995

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The PTO did not receive the following  
listed item(s) *\* Abstract No. 1977-88691Y*

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/	6,211,302	04/2001	Ho, et al			
plc	6,417,242	10/2001	Hughes, et al			

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						YES	NO
plc	00/02960	01/2000	WO				
/	00/02961	01/2000	WO				
/	00/52091	09/2000	WO				
/	00/53669	09/2000	WO				
/	00/78858	12/2000	WO				
plc	00/78861	12/2000	WO				

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*Renard Lypman*

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